MVB FINANCIAL CORP.

(NASDAQ: MVBF)

INVESTOR PRESENTATION

Q2 2026

MEMBER FDIC

FORWARD-LOOKING STATEMENTS

MVB Financial Corp. (“MVB” or the “Company”) has made forward-looking statements, within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, in this earnings release that are intended to be covered by the protections provided under the Private Securities Litigation Reform Act of 1995. These forward-looking statements are based on current expectations about the future and subject to risks and uncertainties. Forward-looking statements include, without limitation, information concerning possible or assumed future results of operations of the Company and its subsidiaries. Forward-looking statements can be identified by the use of words such as “may,” “could,” “should,”, “would,” “will,” “plans,” “believes,” “estimates,” “expects,” “anticipates,” “intends,” “continues,” or the negative of those terms or similar expressions. Note that many factors could affect the future financial results of the Company and its subsidiaries, both individually and collectively, and could cause those results to differ materially from those expressed in forward-looking statements. Therefore, undue reliance should not be placed upon any forward-looking statements. Those factors include but are not limited to: market, economic, operational, liquidity, and credit risk; changes in market interest rates; inability to successfully execute business plans, including strategies related to investments in financial technology companies; competition; unforeseen events, such as pandemics or natural disasters, and any governmental or societal responses thereto, changes in economic, business, and political conditions; changes in demand for loan products and deposit flow; changes in deposit classifications, operational risks and risk management failures; and government regulation and supervision. Further, we urge you to carefully review and consider the cautionary statements and disclosures, specifically those made in Part I, Item 1A, Risk Factors, of our Annual Report on Form 10-K for the year ended December 31, 2025 (the “2025 Form 10-K”), filed with the Securities and Exchange Commission ("SEC") on March 12, 2026, and from time to time, in our other filings with the SEC. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date of the stated report. Except to the extent required by law, we undertake no obligation to update any forward-looking statements in order to reflect any event or circumstance occurring after the date of this report or currently unknown facts or conditions or the occurrence of unanticipated events. All forward-looking statements are qualified in their entirety by this cautionary statement.

Accounting standards require the consideration of subsequent events occurring after the balance sheet date for matters that require adjustment to, or disclosure in, the consolidated financial statements. The review period for subsequent events extends up to and including the filing date of a public company’s financial statements when filed with the SEC. Accordingly, the consolidated financial information in this announcement is subject to change.

The Company uses certain non-GAAP financial measures, such as tangible book value per share and tangible common equity to tangible assets, to provide information useful to investors in understanding the Company’s operating performance and trends and to facilitate comparisons with the performance of the Company’s peers. The non-GAAP financial measures used may differ from the non-GAAP financial measures other financial institutions use to measure their results of operations. Non-GAAP financial measures should be viewed in addition to, and not as an alternative for, the Company’s reported results prepared in accordance with U.S. GAAP. Reconciliations of these non-GAAP financial measures to the most directly comparable U.S. GAAP financial measures are provided in the Appendix to this Presentation.

MVB OVERVIEW

- MVB is an innovative bank focused on powering solutions for leading Fintech companies nationwide
- The CoRe banking business provides stable foundation, low-cost of funding, and regulatory expertise while the fintech platform drives growth and margin expansion

Fintech Banking Platform

Payment Services: Money Movement of all modalities

Issuing: Debit, Prepaid, Credit across products and use cases

Acquiring: Merchant sponsorships

Gaming: Deposits, account management, payment processing

- 40+ clients including DraftKings, FanDuel, BetMGM

CoRe Banking

Commercial and Retail Lending: Relationship-based C&I & CRE, specialty lending (government contracting, litigation finance), mortgage

Deposit: Commercial Deposits & treasury management services

By the Numbers

$3.5B
Total Assets

$2.5B
Total Loans

$3.1B
Total Deposits

$48B
Payment Volume Processed, TTM

$188M
Revenue TTM

51.6%
Revenue Growth
(Q2 2026 vs. Q2 2025)

INVESTMENT HIGHLIGHTS

- A differentiated Fintech bank at an **inflection point**
- Multiple growth **catalysts** driven by expanding suite of Fintech product offerings
- **Scalable business model** — well positioned to capture expanding TAM
- **Proven innovation** engine — **Victor** sale validates builder/incubator DNA; leading **AI** & Automation
- **Best-in-class**, diversified **core funding** profile underpinned by **strong capital and liquidity** position
- **Improving core profitability** as Fintech and core bank initiatives take hold
- Valuation re-rating opportunity with shares trading **at discount** to bank and Fintech peers

TAM – Total Addressable Market

MVB'S STRATEGY ON A PAGE (SOAP)

MVB

Our Why

To positively impact people's financial lives, one life at a time

Purpose

Trusted partners on the financial frontier, committed to your success

Values

- Respect, Love & Caring
- Trust
- Commitment
- Adaptive
- Teamwork

Four Lanes on the Track

- **Banking** That's Tech-Forward
- **Banker** of Choice to Fintechs
- **Builder** of Fintechs
- **Backer** of Fintechs

Growth Vehicles

QUALIFYING TRACK

- Banking as a Service
- Fintech Sponsorship Lending

FAST TRACK

- Gaming
- Payments
- CoRe Lending & Deposits

Fuel

- Strategic M&A
- Compliance and Risk Management
- Talent and Culture
- Client and Partner Relationships
- Operational Excellence

EXPERIENCED AND DEEP LEADERSHIP TEAM

Larry F. Mazza

President and CEO

- 20+ years as CEO of MVB, leading expansion into Fintech partnerships.
- $3B asset growth during tenure as CEO.
- Led growth in online gaming vertical (established partnerships with Draft Kings, FanDuel and others).

Mike Sumbs

Chief Financial Officer

- 15+ years of experience as a financial services investment banker, most recently with Raymond James Financial.
- Served at Keefe, Bruyette and Woods with a focus on advising depository institutions in the Southeast.

Jeremy Kuiper

Fintech President

- 25+ years of payments industry experience at executive and board levels.
- Previously held leadership roles at Pathward and The Bancorp.
- Former chairman of the Network Branded Prepaid Card Association.

Joseph R. Rodriguez

Chief Risk and Legal Officer

- 20+ years of financial services risk management expertise
- Leadership roles at Capital One, Walmart and Davis Wright Tremaine.
- Government service at Consumer Financial Protection Bureau and the Department of Justice.

Julie A. O'Connor

Chief Compliance Officer

- 25+ years in BSA/AML, risk management, regulatory compliance and Fintech partnerships.
- Former Chief Administrative Officer/BSA Officer at Jiko Group Inc.

Michael L. Giorgio

Chief Operating and Information Officer

- 20+ years of leadership in technology, operations and cybersecurity across banking and Fintech.
- Held CEO roles at Kraken Bank and SMC Blockchain Labs.
- Served as CTO at Metropolitan Commercial Bank and Laurel Road.

C. Brad Greathouse

Chief Administrative Officer

- 30 years of progressive leadership experience in human resources.
- On Mylan's North America leadership team as VP of Human Relations.
- 12+ years at GE Aerospace, where he provided human resources direction and strategy for production, services, commercial and engineering organizations with 7,000 employees across Asia, Europe, South America and the U.S.

MVB'S EVOLUTION THROUGH TECH INNOVATION

$1.5B
Total Assets 2017

10.5%
Organic Asset CAGR

$3.5B
Total Assets Q2 2026

Community Bank
1997–2016

- Building the foundation
- Robust risk/compliance
- Strong capital

Fintech Pivot
2017–2018

- Fintech and BaaS era
- Payments and gaming
- Deposit diversification

Builder Phase
2018–2025

- Innovation
- Incubator/builder
  - Victor Technologies
- Scaling payments

Scaled Fintech
2026+

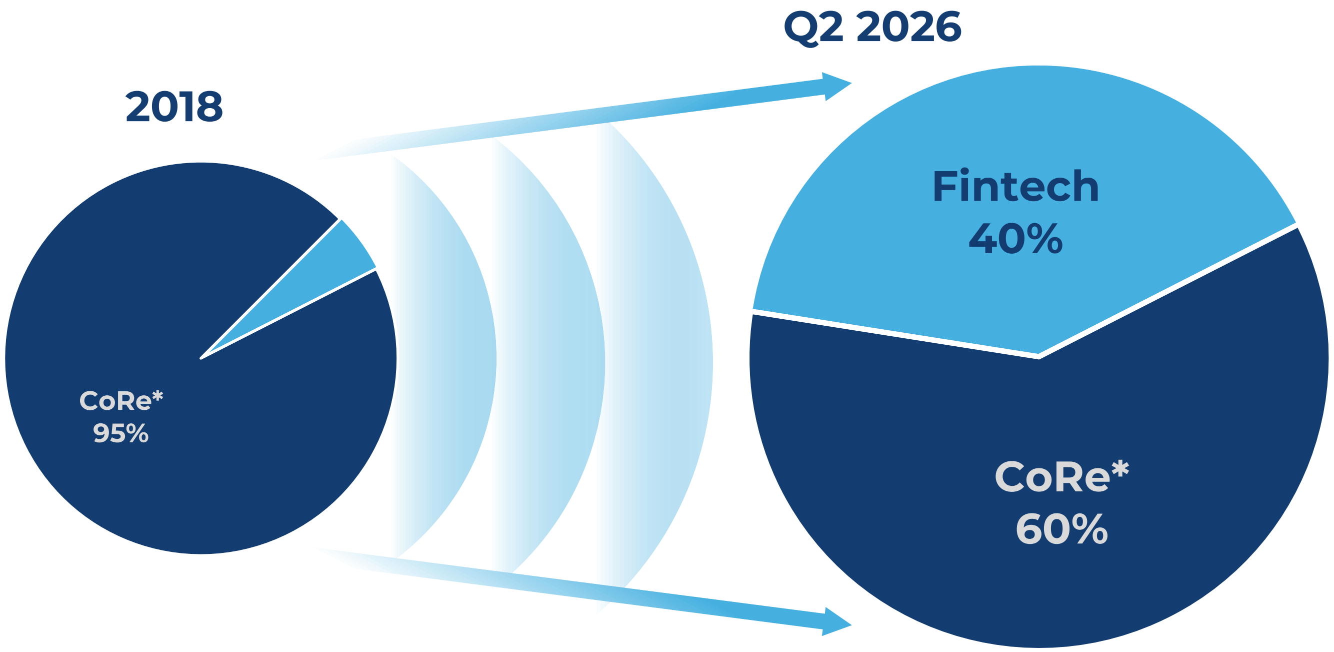
- Scale fintech platform
- Sponsorship lending
- Robust payments pipeline
- Strengthen CoRe banking engine
- AI and automation

FROM COMMUNITY BANK TO LEADING FINTECH BANKING PLATFORM

Fintech Expertise: Proven ability to identify, incubate and monetize Fintech opportunities

Regulatory Infrastructure: Established robust compliance framework supporting innovation

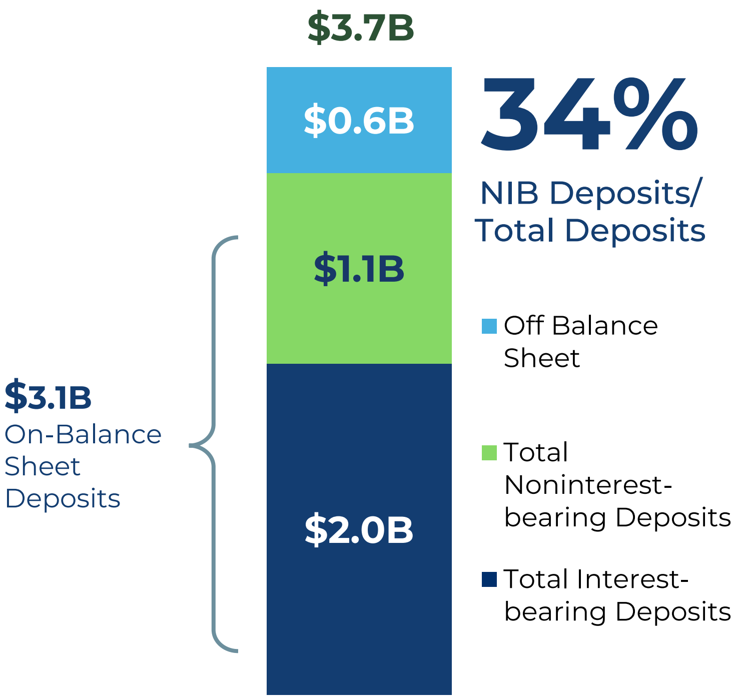
Business Model Transformation: "Think bigger, do bigger" philosophy driving growth initiatives



$1.3B Total Deposits
% NIB Deposit: 17%
2018FY NIM: 3.41%

$3.1B Total Deposits
% NIB Deposit: 34%
MRQ NIM: 3.87%[1]

Deposits
(as of 6/30/26)



Pie totals represent deposits; * CoRe represents commercial / retail deposits
NIB – Non-interest bearing , NIM – net interest margin
[1]Excludes $2.3 million of non-recurring net interest income

MVB FINTECH BANKING GROWTH VEHICLES

Payments

- Digital payments – fee income
- Merchant acquiring – fee income
- Card issuing – fee income and stable deposits

$636M*
Q2 2026 YTD Avg. Deposits

$8.8M
Q2 2026 TTM Fee Income

52%
Deposit CAGR (2020 – Q2 2026)

Banking-as-a-Service

- Low-cost deposit accounts
- Emerging lending opportunities
- Five million bank account relationships

$1.2B*
Q2 2026 YTD Avg. Deposits

223%
Deposit CAGR (2020 – Q2 2026)

Gaming

- Low-cost deposit accounts
- Player payouts – fee income
- 40+ Digital gaming clients

$278M*
Q2 2026 YTD Avg. Deposits

$4.3M
Q2 2026 TTM Fee Income

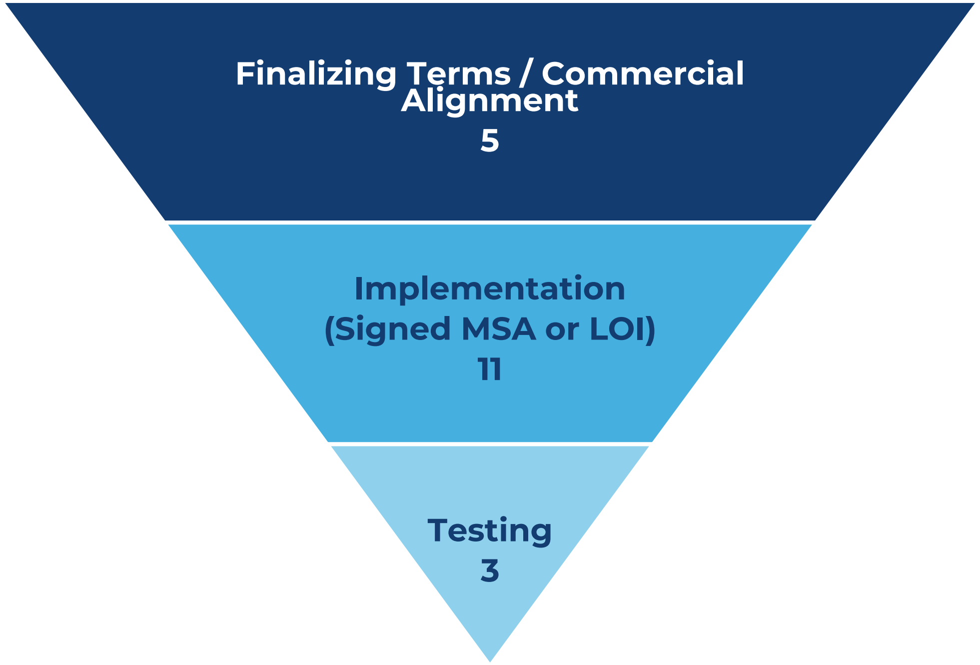
10%
Deposit CAGR (2020 – Q2 2026)

* Includes on and off-balance sheet deposit balances

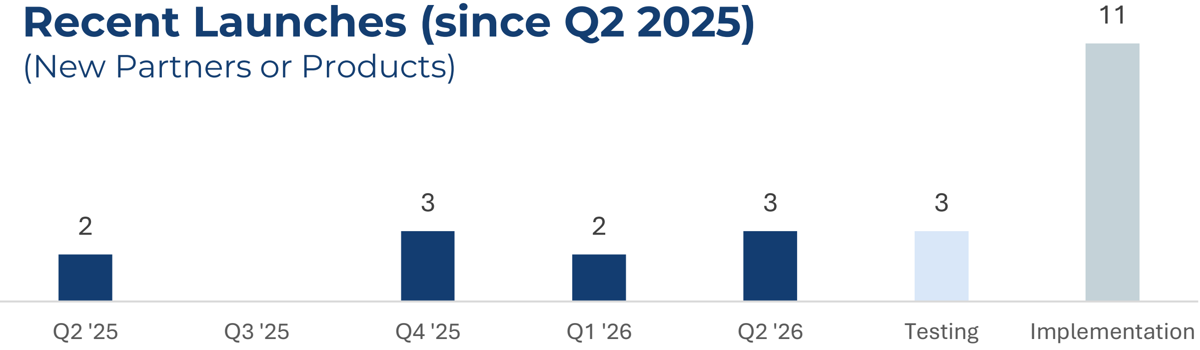
ROBUST FINTECH PIPELINE FUNNEL

- 10 new Fintech partner / product launches since Q2 2025.
- New Fintech partners[1] have generated ~$2M of revenue year-to-date and ~$158M of low-cost deposits as of June 30, 2026.

Summary of Advanced-Stage Fintech Pipeline Funnel
(# of Opportunities)



Recent Launches (since Q2 2025)
(New Partners or Products)



	Partner	Service	Launch
	Launched		
1.	Global Payments Provider (Fortune 500)	Acquiring	Q2 2025
2.	Market Leading e-commerce Merchant	Acquiring	Q2 2025
3.	Leading Neo-Bank	Earned Wage Access	Q4 2025
4.	Pay by Bank Network	Money Movement	Q4 2025
5.	Global Payments / Technology Company	Money Movement	Q4 2025
6.	Global Merchant Acquirer	Real-Time Payments	Q1 2026
7.	Digital Disbursements	Issuing	Q1 2026
8.	Cross Border Payments Provider	Money Movement	Q2 2026
9.	Pay by Bank Provider (B2B Settlement)	Issuing	Q2 2026
10.	Payments Platform	Issuing	Q2 2026

Data as of June 30, 2026
(1) New fintech partners include those launched since Q2 2025

Implementing AI and Automation to Drive Efficiency

Data & AI Partners

ANTHROPIC

aws

snowflake

Built the Data Foundation: Implemented **Snowflake** and **AWS** to build the Enterprise Data Warehouse

FY 2024

Upgraded Transaction Monitoring: Established an AI-ready data ecosystem (Risk Canvas) and implemented AI-driven transaction monitoring. Reduced Compliance and Risk from 160 FTEs to 116.

FY 2025

Laying the Groundwork for Enterprise-Wide AI & Governance
Built an AI-ready data ecosystem in Snowflake, established the AI Center of Excellence and Product teams and deployed 16 Digis (digital workers.) Added board level expertise and newly formed board AI committee

1H 2026

Scaling Digital Workers and AI Access
Expand to 36 Digis across CoRe, Credit, BSA/AML, and Fintech while growing AI desktop assistant access to 100% of the organization.

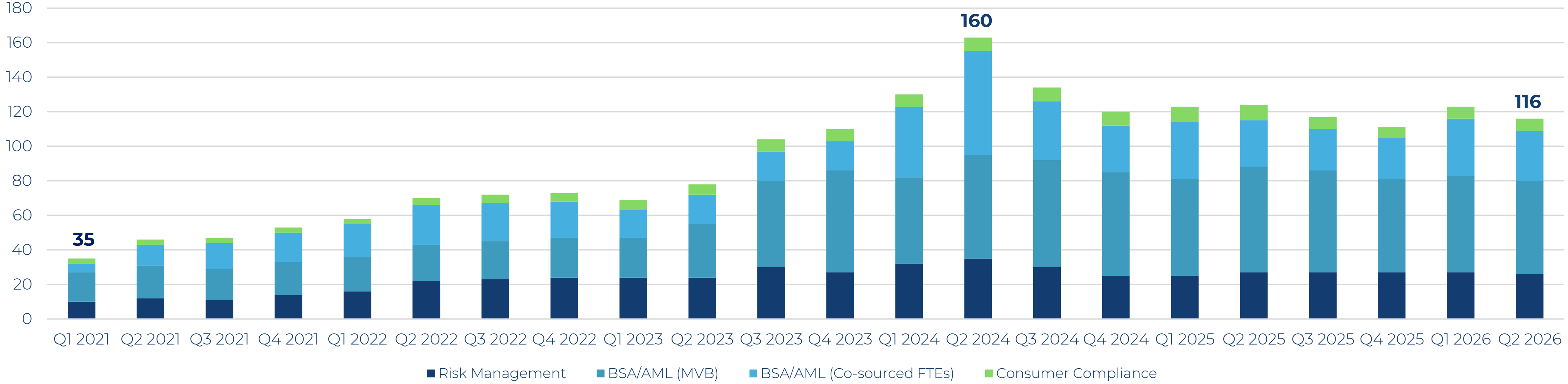
We are here

2H 2026

Delivering AI-Driven Value to Clients
Leverage MVB's mature AI capabilities to enhance the client experience, accelerate service delivery, and deepen relationships through smarter, faster solutions.

2027 and beyond

RISK MANAGEMENT STRENGTH AND CAPABILITIES



Teams	2021				2022				2023				2024*				2025				2026	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Risk Management	10	12	11	14	16	22	23	24	24	24	30	27	32	35	30	25	25	27	27	27	27	26
BSA/AML (MVB)	17	19	18	18	18	18	18	18	23	31	50	59	50	60	62	60	56	61	59	54	56	54
BSA/AML (Co-sourced FTEs)	5	12	15	17	19	23	22	21	16	17	17	17	41	60	34	27	33	27	24	24	33	29
Consumer Compliance	3	3	3	3	3	4	5	5	6	6	7	7	7	8	8	8	9	9	7	6	7	7
Total Risk Staffing:	35	46	47	52	56	67	68	68	69	78	104	110	130	160	134	120	123	124	117	111	123	116

* Included various short-term initiatives and projects implemented throughout the year

STRATEGIC CAPITAL ALLOCATION FRAMEWORK

Prioritize high-ROIC growth opportunities while maintaining strong regulatory capital and shareholder returns.

Platform Investment

- Technology infrastructure and AI/automation
- Payment product development
- Data analytics capabilities

Balance Sheet Optimization

- Funding mix optimization
- Liquidity management

Strategic M&A

- Target: Innovative/Fintech-focused banks and non-banks
- Complementary technology acquisition
- Strategic partnerships

Shareholder Returns

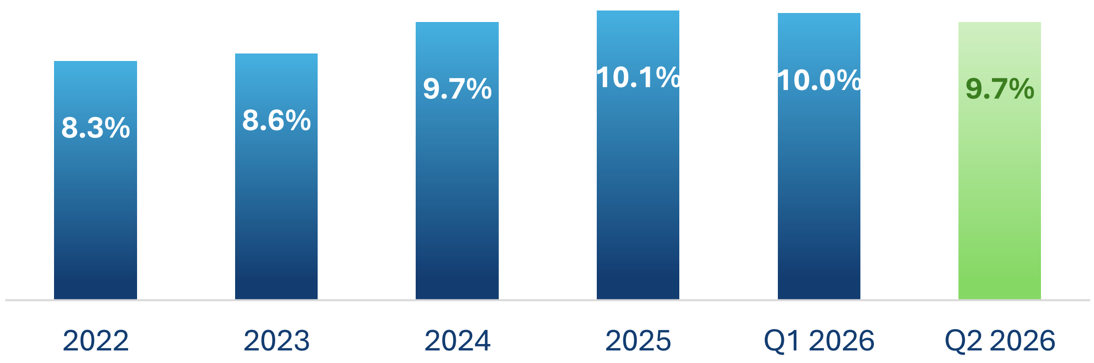
- Share repurchases
- Dividends

STRONG CAPITAL POSITION

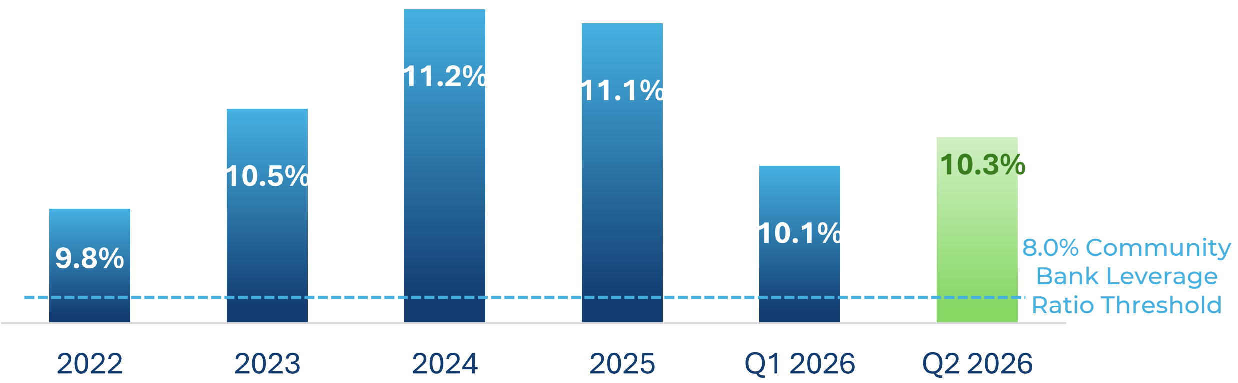
Robust capital position provides opportunity for continued balance sheet growth and optimization.

- Restructured $73 million in AFS securities in Q4 2025
- Redeemed $40 million of subordinated debt in Q1 2026
- Repurchased 48,432 shares (~0.4% of outstanding shares) in Q2 2026
- $4.4 million in common dividends paid year-to-date in 2026 (44th consecutive quarter of paying common dividend)

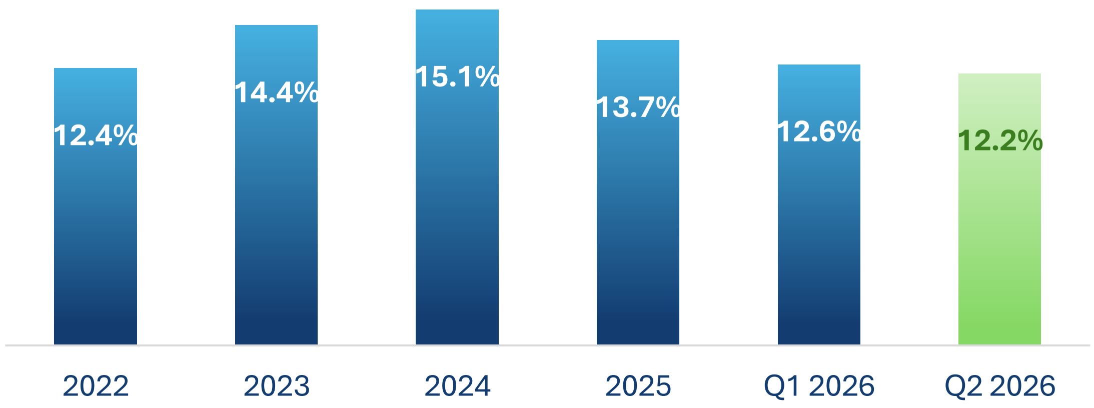
Consolidated Tangible Common Equity/Tangible Assets (%) (1)



Bank Leverage Ratio (%)



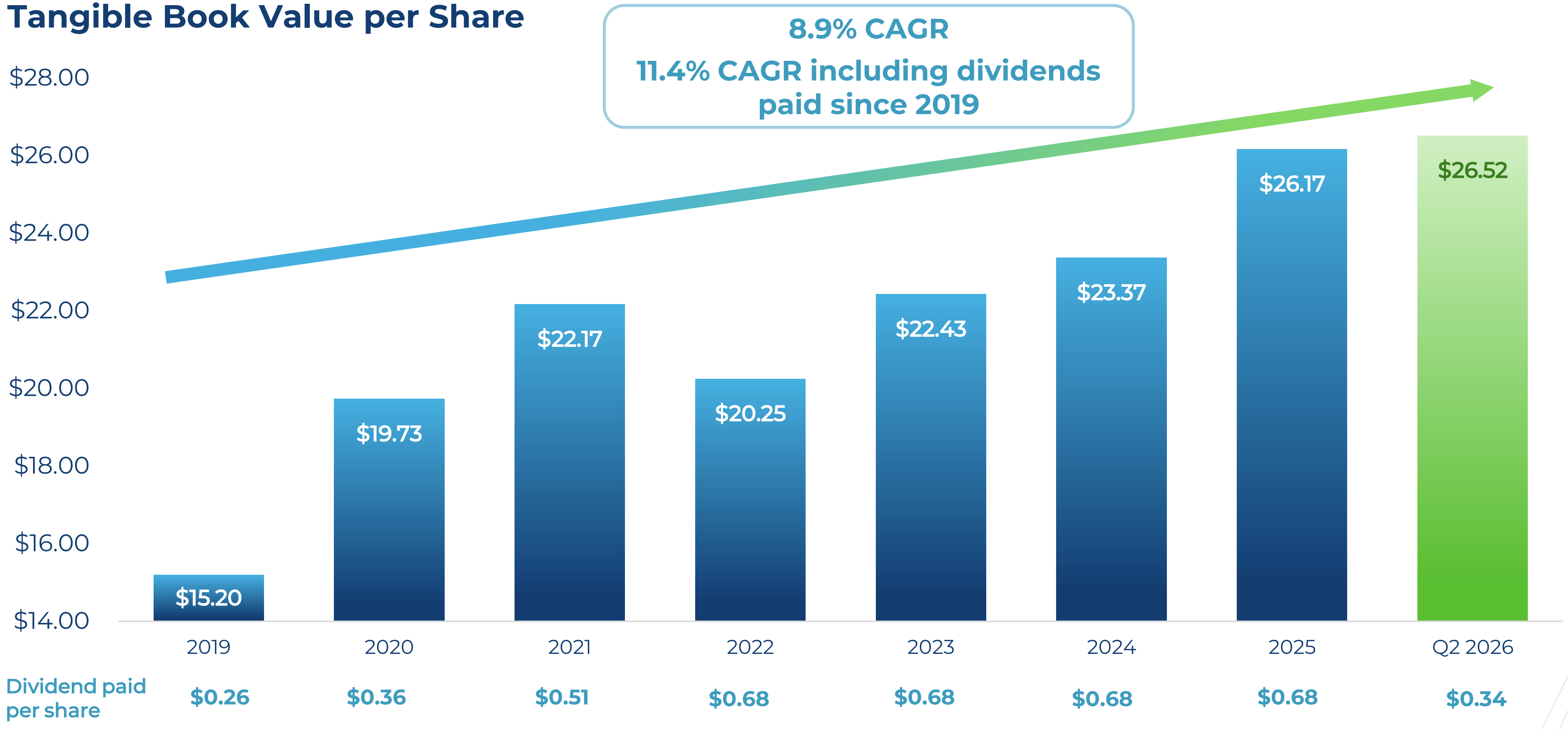
Bank Common Equity Tier 1 Capital Ratio (%)



Source: Company documents. (1) TCE/TA is for the Holding Company and is a non-GAAP financial measure. A reconciliation of non-GAAP financial measures are included in the Appendix. All other capital ratios presented are from the Bank.

TANGIBLE BOOK VALUE PER SHARE GROWTH

Tangible Book Value per Share



$4.19 per share paid in common dividends since 2019

Source: Company documents and SEC Filings

FINANCIAL HIGHLIGHTS

Q2 2026 KEY HIGHLIGHTS

Increase in Net Income
(excluding one time gain in Q2 2026)

+136%

From Q2 2025

Diluted EPS

$0.93

Up 520% from Q2 2025

Noninterest Bearing Deposits

34.4%

of total deposits

Noninterest Income
(excluding one time gain in Q2 2026)

+10.2%

From Q2 2025

Payment Card and Service Charge Income

+29.1%

From Q2 2025

Tangible Book Value Per Share

$26.52

Up of 12% from Q2 2025

Loan Growth

$323M

Up 15%, from Q2 2025

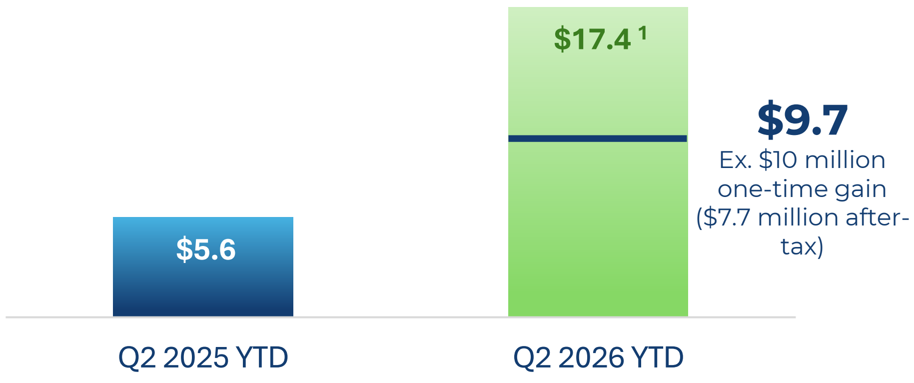
Deposit Growth

$307M

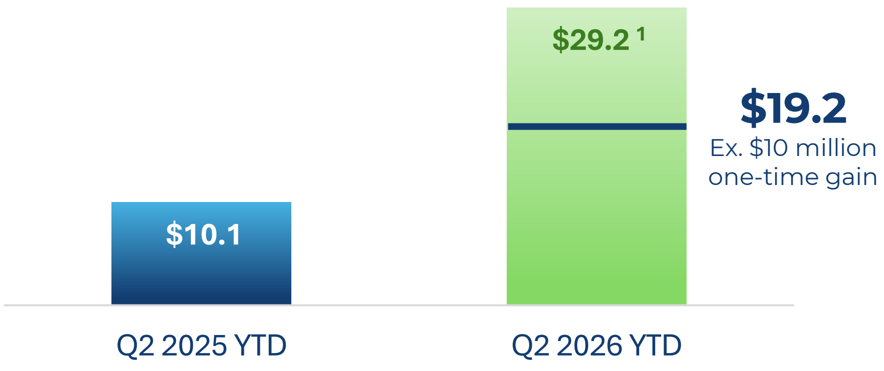
Up 11%, from Q2 2025

IMPROVING REVENUE AND PROFITABILITY

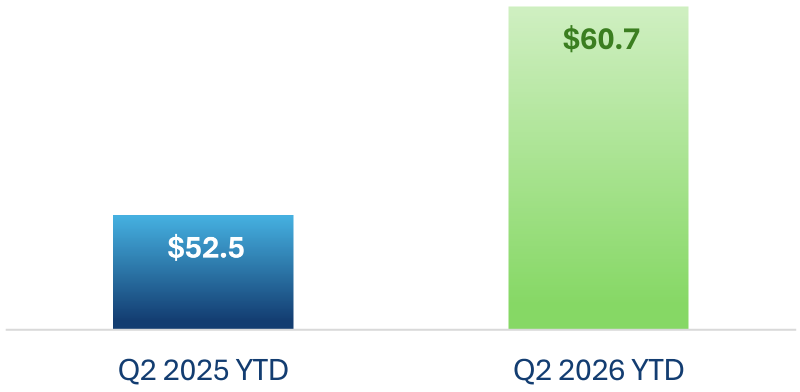
Net Income
($ millions)



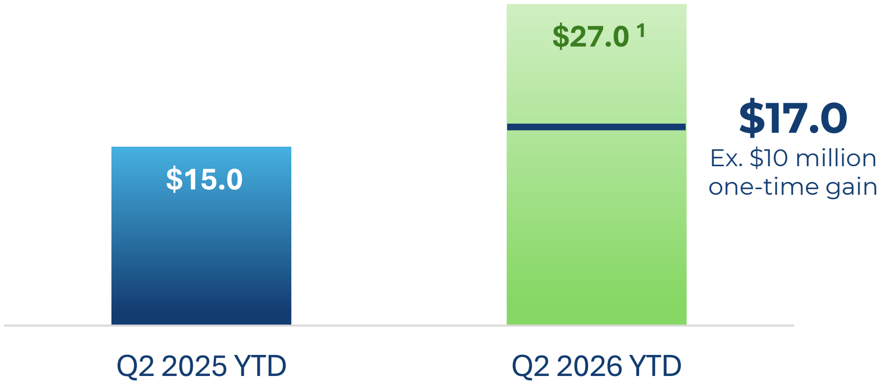
Pre-Tax, Pre-Provision Income
($ millions)



Net Interest Income
($ millions)



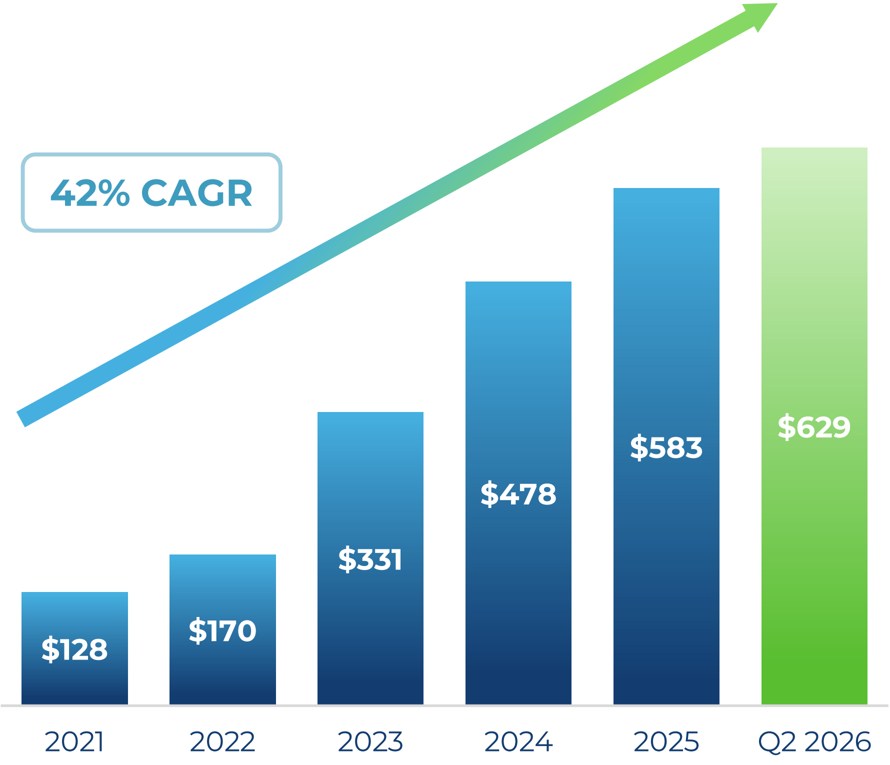
Noninterest Income
($ millions)



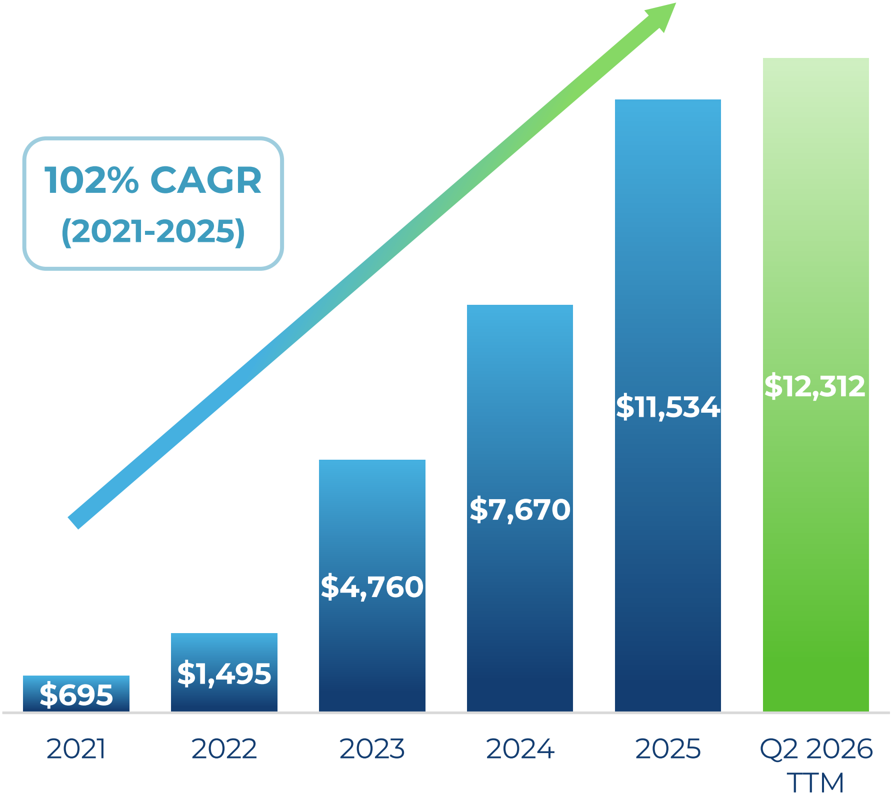
[1] Includes a $10 million pre-tax gain related to an existing Fintech investment

GROWTH OF MVB'S PAYMENTS FOCUSED VEHICLE

Deposits of Payments Vehicle (period average)
($ Millions)



Payments Revenue
($ Thousands)

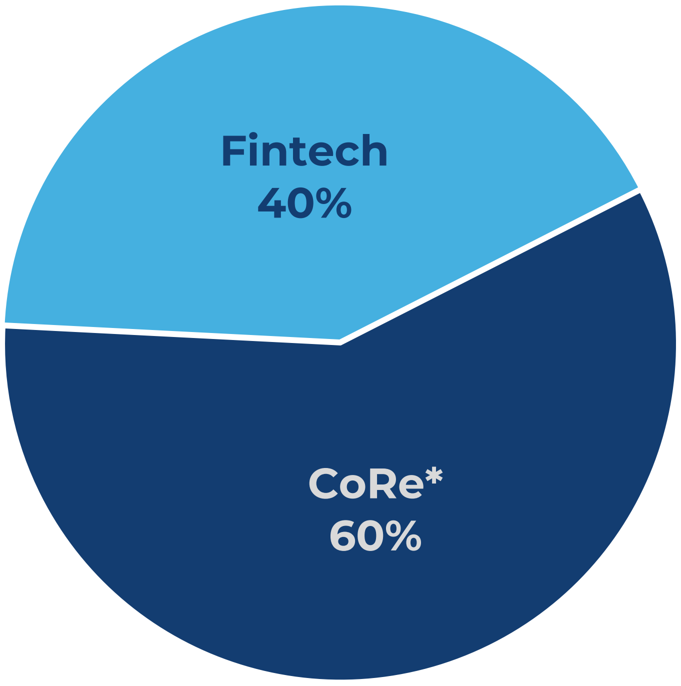


Source: Company documents and SEC Filings

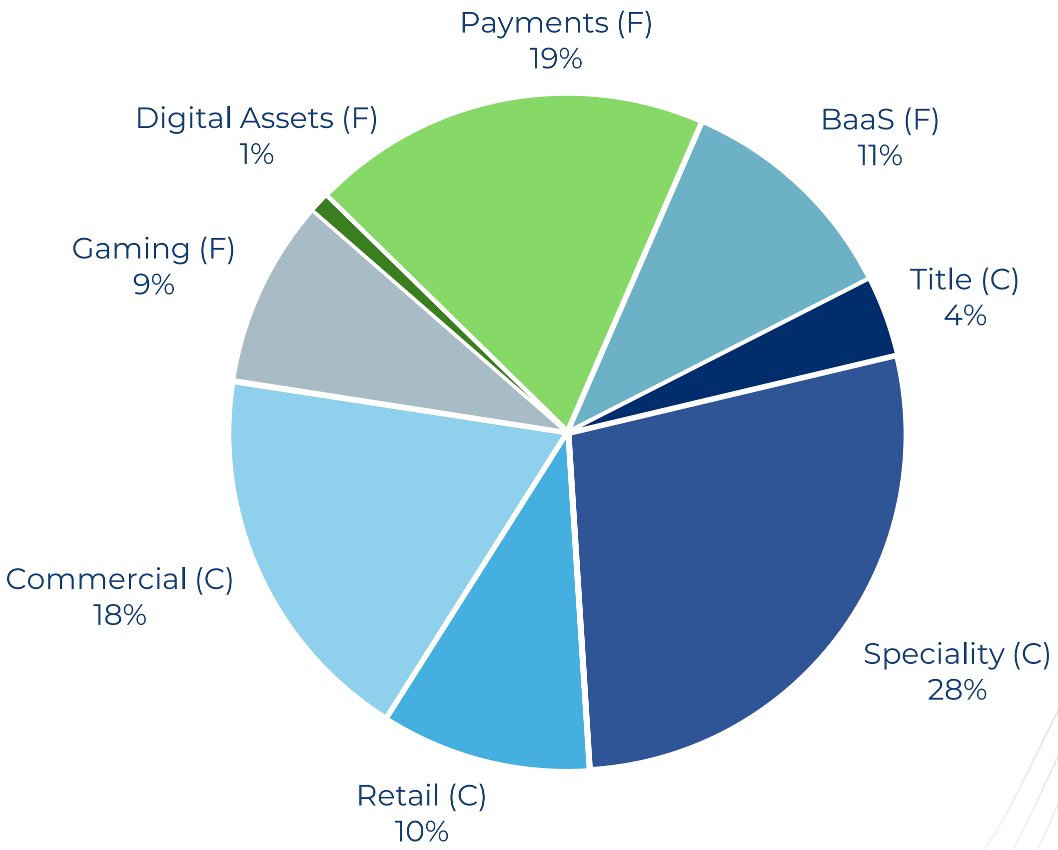
DIVERSIFIED DEPOSIT BASE WITH FINTECH AND CORE BANK DEPOSITS

Data as of June 30, 2026

On Balance Sheet Deposit Composition



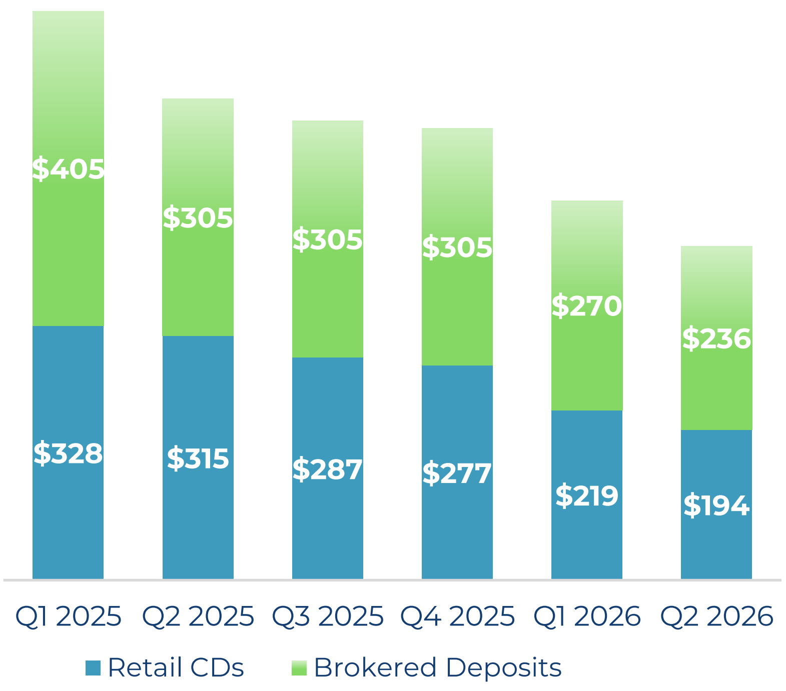
On Balance Sheet Deposits by Source



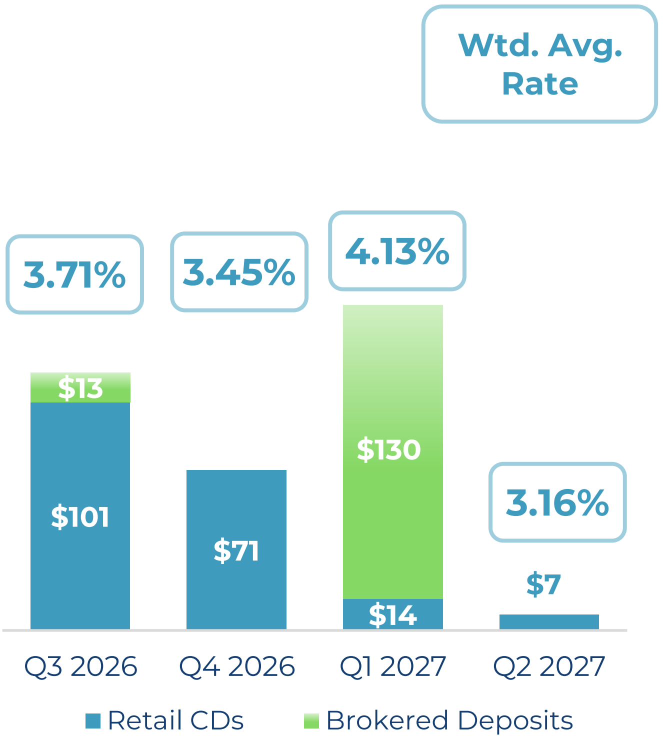
Source: Company documents and SEC Filings. * Commercial and Retail. (F) – Fintech deposits. (C) – CoRe deposits.

CONTINUED REMIX OF DEPOSIT PORTFOLIO WITH FUTURE REPRICING OPPORTUNITIES

CD Balances
($ Millions)



Upcoming CD Maturities
($ Millions)

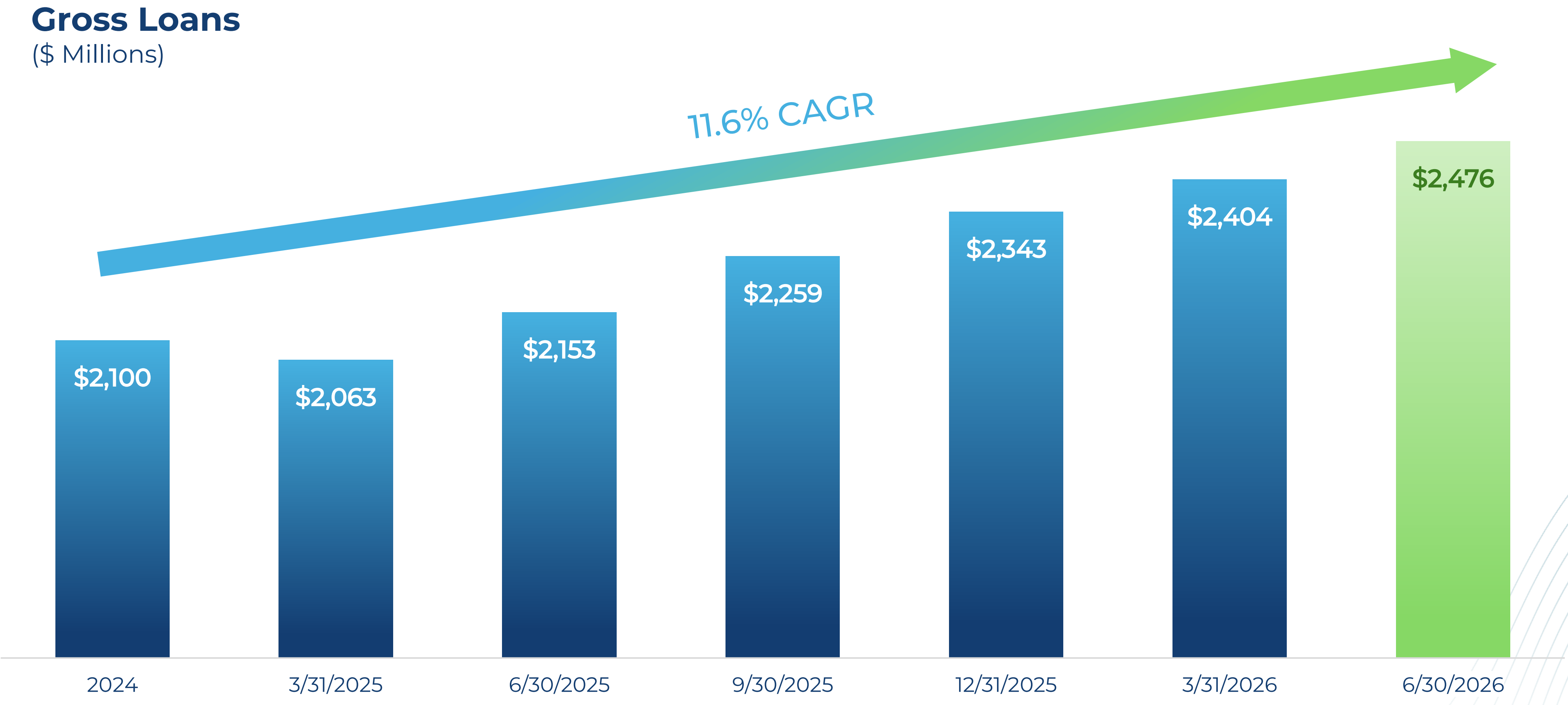


- $59 million reduction in CD balances in Q2 2026
- $190 million reduction in CD balances since Q2 2025, including $70 million reduction in brokered CDs
- $130 million of brokered CDs maturing in Q1 2027 with a weighted average rate of 4.13%

Source: Company documents and SEC Filings

STRONG LOAN GROWTH

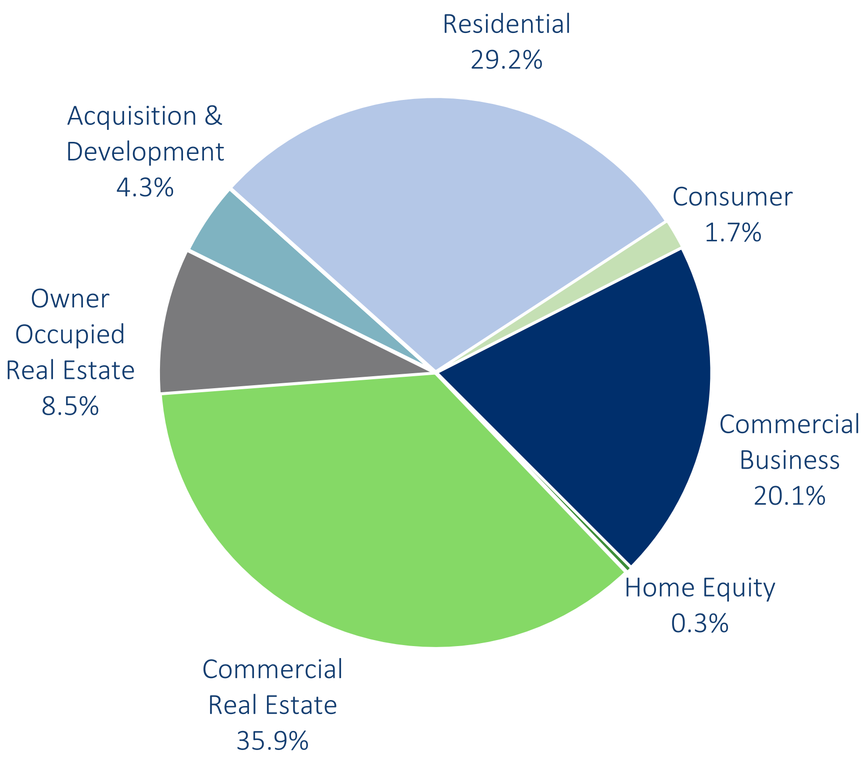
Consistent strong loan growth over the past 5 quarters.



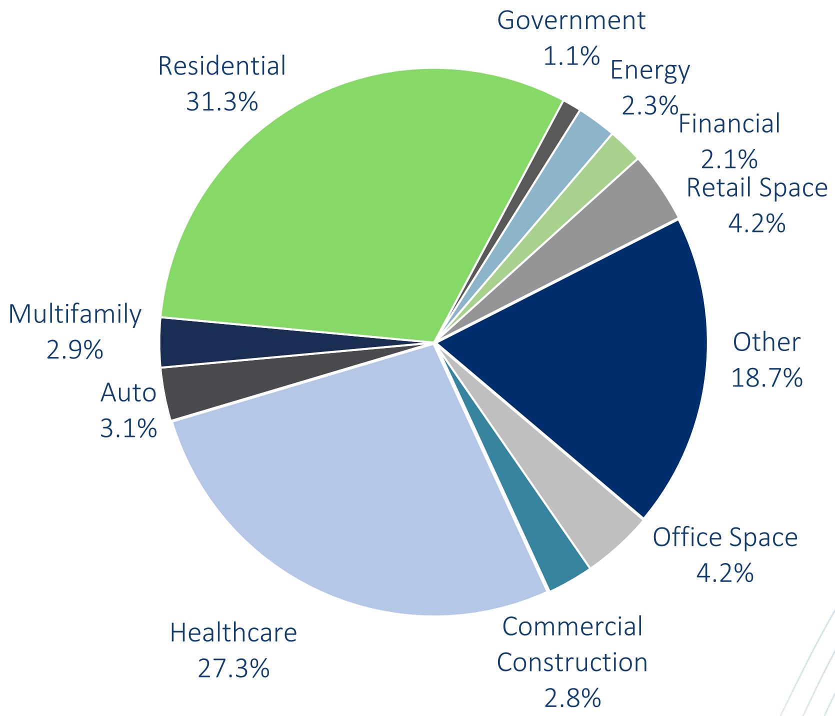
Source: Company documents and SEC Filings

DIVERSIFIED LOAN PORTFOLIO — as of June 30, 2026

Loan Portfolio Composition



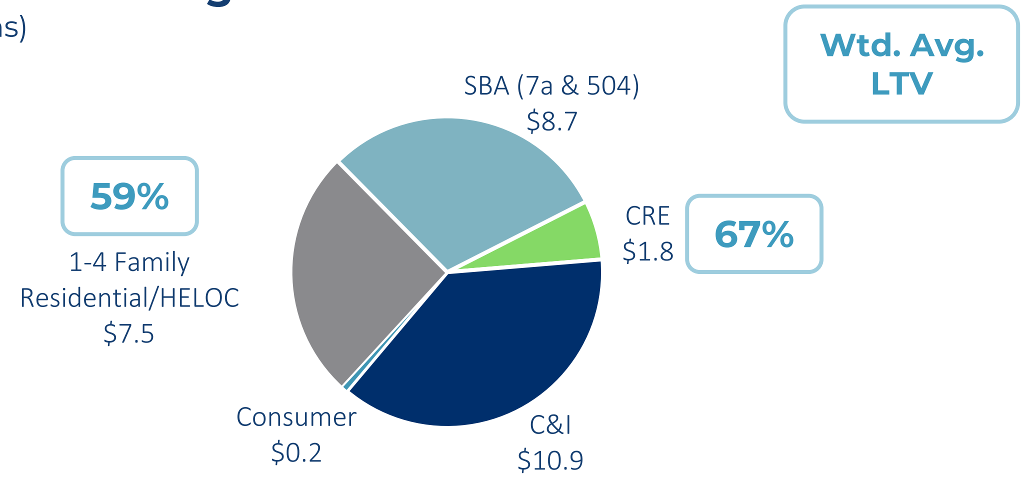
Loan Portfolio by Industry



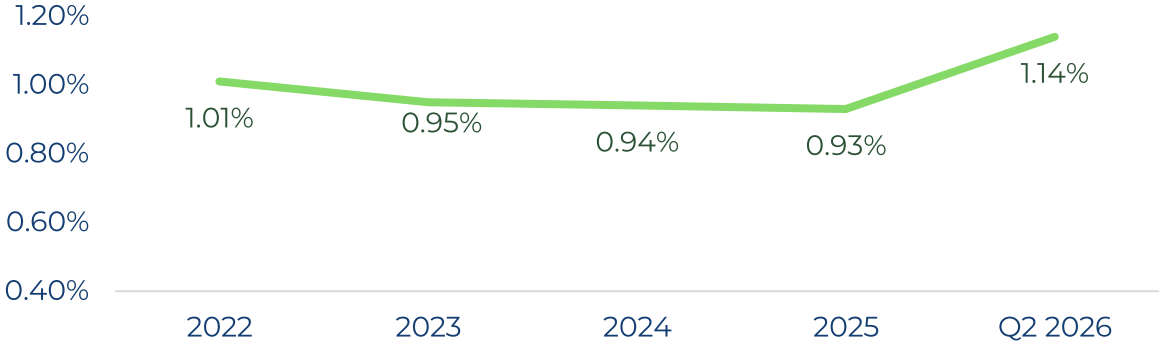
Source: Company documents

CONSISTENTLY STRONG ASSET QUALITY THROUGH CYCLES

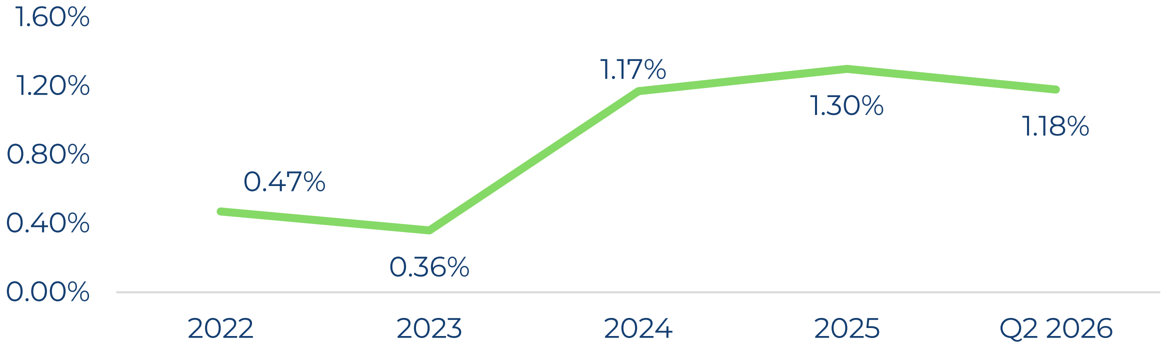
Non-Performing Loans
($ Millions)



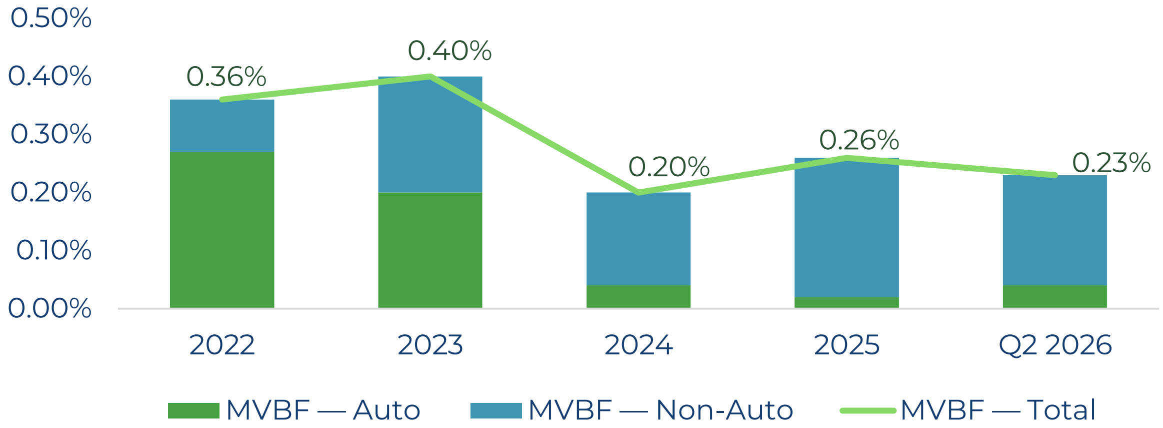
ACL/Total Loans



Non-Performing Loans/Total Loans



NCOs/Average Loans



Source: Company documents and SEC filings.

APPENDIX

NON-GAAP RECONCILIATIONS

APPENDIX: NON-GAAP RECONCILIATION

Tangible Book Value per Common Share and Tangible Common Equity Ratio (%)							
(Dollars in thousands)	2020	2021	2022	2023	2024	2025	2026
Goodwill	$ 2,350	$ 3,988	$ 3,988	$ 2,838	$ 2,838	$ 1,200	$ 1,200
Intangibles	2,400	2,316	1,631	352	262	--	--
Total intangible assets	$ 4,750	$ 6,304	$ 5,619	$ 3,190	$ 3,100	$ 1,200	$ 1,200
Total equity attributable to parent	$ 239,483	$ 274,328	$ 261,084	$ 289,342	$ 305,679	$ 333,968	$ 344,543
Less: Preferred stock	(7,334)	--	--	--	--	--	--
Less: Total intangible assets	(4,750)	(6,304)	(5,619)	(3,190)	(3,100)	(1,200)	(1,200)
Total tangible common equity	$ 227,399	$ 268,024	$ 255,465	$ 286,152	$ 302,579	$ 332,768	$ 343,343
Total assets	$ 2,331,476	$ 2,792,449	$ 3,068,860	$ 3,313,882	$ 3,128,704	$ 3,308,918	$3,545,853
Less: Total intangible assets	(4,750)	(6,304)	(5,619)	(3,190)	(3,100)	(1,200)	(1,200)
Total tangible assets	$ 2,326,726	$ 2,786,145	$ 3,063,241	$ 3,310,692	$ 3,125,604	$ 3,307,718	$ 3,544,653
Tangible common equity to tangible assets	9.8%	9.6%	8.3%	8.6%	9.7%	10.1%	9.7%
Tangible common equity	$ 227,399	$ 268,024	$ 255,465	$ 286,152	$ 302,579	$ 332,768	$ 343,343
Common shares outstanding (000s)	11,526	12,087	12,618	12,758	12,945	12,716	12,947
Tangible book value per common share	$ 19.73	$ 22.17	$ 20.25	$ 22.43	$ 23.37	$ 26.17	$ 26.52

Source: Company documents

APPENDIX: NON-GAAP RECONCILIATION

Net Interest Income and Net Interest Margin on a Fully Tax-Equivalent Basis (%)		
	2026	
(Dollars in thousands)	Three Months Ended	Six Months Ended
Net interest margin – U.S. GAAP basis		
Net interest income	$ 32,274	$ 60,726
Average interest-earning assets	3,125,209	3,116,934
Net interest margin	4.14%	3.93%
Net interest margin – non-U.S. GAAP basis		
Net interest income	$ 32,274	$ 60,726
Impact of full tax-equivalent adjustment	119	241
Net interest income on a fully-tax equivalent basis	$ 32,393	$ 60,967
Average interest-earning assets	3,125,209	3,116,934
Net interest margin on a full tax equivalent basis	4.16%	3.94%
Core net interest margin – non-U.S. GAAP basis		
Net interest income on a fully tax-equivalent basis	$ 32,393	$ 60,967
Less: interest income from non-recurring items	(2,272)	(2,272)
Core net interest income on a fully tax-equivalent basis	$ 30,121	$ 58,695
Average interest-earning assets	3,125,209	3,116,934
Adjusted net interest margin on a fully tax-equivalent basis	3.87%	3.80%

Source: Company documents